CIRM Funded Clinical Trials

Retinal progenitor cells for treatment of retinitis pigmentosa

Disease Area:	Retinitis Pigmentosa
Investigator:	Henry Klassen
Institution:	University of California, Irvine
CIRM Grant:	DR2A-05739
Award Value:	$17,144,825
Trial Sponsor:	jCyte
Trial Stage:	Phase 1/2
Trial Status:	Completed
Targeted Enrollment:	28
ClinicalTrials.gov ID:	NCT02320812

Henry Klassen

Details:
Retinitis pigmentosa (RP) is a severe form of blindness that runs in families with an incidence of 1:4000. A team at UC Irvine, is using cells called retinal progenitor cells to repair the damage caused by this vision destroying disease. The cells are injected into the back of the eye and it's hoped they will help preserve the photoreceptors attacked by RP as well as generate new photo receptors to replace those destroyed by the disease. CIRM is now funding a Phase 2 trial, sponsored by a jCyte, that is testing this treatment in a larger group of RP patients.

Design:
Open label, single arm study. Intravitreal injection of human retinal progenitor cells in worst seeing eye. Ascending dose (0.5-3M cells) in 2 cohorts.

Goal:
Safety and efficacy - visual acuity.

Updates:
Completed enrollment and dosing.

Contact Trial Sponsor

Source URL: https://www.cirm.ca.gov/clinical-trial/retinal-progenitor-cells-treatment-retinitis-pigmentosa